180 - 244

G. R. S. 591

GPB—15,000—22-7-14

GENERAL AND REVENUE SECRETARIAT.

191/.

(Can Mis.)

File No. 180-11

Serial Nos. 1 — 25

Papers Filed.

Month Feb 75

SUBJECT.

Invention for Improvements in apparatus for the extraction of precious metals from pulps & solutions

PREVIOUS REFERENCES.	LATER REFERENCES.

W 1/83

G.R.S. 11] 191/-12

GENERAL AND REVENUE SECRETARIAT.

(Jen: mis)

NOTES.

Gen File No. 180 11/12

FILE HEADING.

Invention by Alfred Andrew Lockwood for improvements in apparatus for the extraction of the precious metals from pulps and solutions" (Turbo Amalgamator Extraction Co Ltd London).

From

Messrs Rempry & Son, Solicitors & Patent Agents, Calcutta.

No. letter Dated 24. 11. 11. Received 29 11. 11.

Diary No. 2266	Enclos.	Spare Copies.	Serial No. /

BRIEF ABSTRACT OF LETTER.

Forwards the application of the "Turbo Amalgamator and Extraction Co Ltd for leave to file a specification of the above invention together with Rs 12/- and the requisite power of attorney and the Deed of Assignment.

NOTES AND ORDERS.

The sum of Rs 12 has been received. The fee for the Deed of Assignment the consideration of which is 5 8h (i.e. less than Rs 50) is only annas 8. Deducting this as well as Rs 10/- for filing the specifn and Re 1 for stamping the Power of Attorney, the balance of annas 8 may be returned

NOTES—First Sheet.

GPB—30,000—12-9-11

G. R. S. 12]
General and Revenue Secretariat.

Gen File No. 180 of 1911–12

2266

Serial No.

if approved

Drafts subd
29.11.11 Gl 99 VS. 141

Issue drafts approved
1.12.11

To Messrs Remfry & Sons.
No G 3369 dt 14.12.1911. Enc 8as.
Returns 8as rcd in excess and requests that an authenticated copy of the order, if any, passed on a similar application in the British India Maybe forwarded early.

3 To The Supdt of Stamps
No G 3370 dt 14.12.11 Enc 2 & Rs 1-80
Fds the deed of assignment, and Power of Attorney rcd with the above letter with Rs 1-80 and requests that they maybe returned after getting the necessary stamps impressed upon them.

4 To The State Geologist
No G 3371 dt 14.12.11 Enc 1.
Fds for favour of opinion the application received with sl 1.

Posted.

5. To D. C. Bangalore.
No G 3372 dt 14.12.11 Enc Rs 10/-
Fds Rs 10/- rcd with sl 1 for credit in the treasury and requests acknowledgement.

6 From the Supdt of Stamps. No. 83 dt 15. 12. 11.
Returns duly stamped the Deed of Assignment and the Power of Attorney forwarded with sl 8 and requests

NOTE— Contn. sheet.

GPB—50,000—12-8-10

G. R. S. 12]
General and Revenue Secretariat.

Gen File No. 180 of 19 11

Serial No.

acknowledgment.

Draft subd.
GA 99
18.12.11 VS. 41

Issue
19/12/11

2510

2586

7. To. The Superintendent of Stamps
No. G.35-76 dt 23.12.11.
Acknowledges the receipt of the Deed of Assignment and the Power of Attorney forwarded with the above.

Gen 8 From the D.C. Ivy Depty, Bangalore Dt
No 3 dt 15/21.12.11.
Acknowledges the receipt of the amount forwarded with Rs 5.
The receipt of the State Geologists' opinion on the applr may be awaited.

Subd
GA 99
5.1.12 VS. 41

yes
Hrs
6.1.12

Gen 9 From the State Geologist. No 1259 dt 22.1.12.
Forwards copy of letter No 426 dt 18.1.12 from the Offg Chief Inspector of Mines in Mysore, reporting on the applr.
The Chief Inspector states that few novel features appear to be either presented or described in the specifn and that it would be advisable to await the result of the applr for a patent made in the United Kingdom in respect of the invention.
Messrs Remfry & Son have already been called upon

NOTE— Contn. sheet.

GPB—50,000—12-8-10

~~3089~~ 3170

G.R.S. 12]
General and Revenue Secretariat.

GM File No. 180 of 19 11

Serial No.	
	70 3170 71 V in Sl 2 to send an authenticated copy of orders, if any, passed on a corresponding applⁿ made in the United Kingdom or British India, and his reply may accordingly be awaited. Subd Sl 99 25.1.12 US.41 yes 29.1.12
10	From Messrs Remfry & Son Dd 26.6.14. With refce to Sl 2, forwards an authenticated copy of the order & specifn of the Indian Exclusive privilege. Draft forwarding the copy to the State Geologist is subd Sl hrs 8/10/14 Issue. 8/10
11	To the State Geologist No. G 3588 Dd 12-10-14 With refce to Sl 9, forwards the enclosures recd with the above & requests to be informed whether the leave for filing the specifn may be granted.
12	From the State Geologist No. 703 Dd 15.10.14. With refce to the above, requests that the applⁿ and specification of the invention may be forwarded for refce. Draft forwarding is subd Sl hrs 22/10/14 Issue 23.10

NOTE—Contn. sheet.

GPB—50,000—12-8-10

3960

Serial No.	
13	To the State Geologist. No. G 4320 & 2. 11. 14 As requested in the above, forwards the applⁿ & specification in respect of the invention
14	From the above. No. 806 & 12. 11. 14. With refce to Nos 11 & 13, states that he sees no reason to refuse the grant of leave applied for The usual drafts are subd. GH bus 19/11/14 JStone Asst 80/14
15	To the Turbo Amalgamation & Extraction Co Ltd, London. No G 5775 & 4. 12. 14. Authorises them to file a Specifn of their invention.
16	To Messrs H. V. Williams & Co. No G 5776 & 4. 12. 14 Forwards copy of the above for communicaⁿ to the parts concerned
17	From the above. & 4. 12. 14 Forwards Rs 30/- and 4 copies of the Specifn and requests the filing of the Specificaⁿ The usual drafts are subd. The certificate at foot of the GO requires signature. GH bus 23/1/15 JStone Asst 26/1
18	To the Compiler, Mysore Gazette. No G 8019 & 29. 1. 15 Notifies the filing of the Specifn of the invention.
19	To Messrs Rempfry & Son. No G 8020 & 29. 1. 15 Forwards Copy of the above & returns the Rs 15 with the

NOTE—Contn. sheet.

6865

6

G. R. S. 12]

General and Revenue Secretariat.

Gen File No. 180 of 191/.

Serial No.	
	the certificate at foot duly signed.
20	To D.C. Dry, Bangalore. No. 08021 dy 29.1.15. Forwards Rs 30/- rec.d with Pc 17 & requests ackt.
21	To the State Geologist, the Supdt, Govt Museum & the Chief Engr. No. 08022-4 dy 29.1.15. Forwards copy of the specifn & requests ackt.
22	From the Dy Dir - Bangalore. No 205 dy 3.2.15 acknowledges receipt of Rs 30 sent with R 20.
23	From the State Geologist - No 1672 dy 2.2.1915 acknowledges receipt of the specification forwarded with R 21.
24	From the Supdt Govt Museum No 123 dy 8.2.15 — do —
25	From the Chief Engr No 1518 dy 13.2.15 — do —

Submd. The papers may be filed.

Key Asst
9/3/15

Gen Asst
10/3

NOTE—Contn. sheet.

GPB—65,000—2-11-14

GENERAL.

V Gr
29/11/11

To

THE ~~PATENT~~ SECRETARY, To The Government of Mysore,
~~PATENT OFFICE~~, Genl. & Revenue Dept.
~~CALCUTTA~~ Bangalore. Mysore.

DIARY No. 2266

FROM

REMFRY & SON,
SOLICITORS AND PATENT AGENTS,
CALCUTTA.

19// -1912
SECTION Gen : Mis
FILE No. 1800 of 1911-12
SERIAL No. / Sir,

Dated CALCUTTA, the 24th November 1911.

We have the honour to forward herewith an Application of TURBO AMALGAMATOR and EXTRACTION COMPANY, LIMITED, of 65 London Wall, in the City of London, England, Manufacturers, for leave to file a Specification under Part 1 of the Mysore Inventions & Designs Regulations, 1894, in respect of an Invention for "IMPROVE-"MENTS IN APPARATUS FOR THE EXTRACTION OF THE PRECIOUS METALS "FROM PULPS AND SOLUTIONS", and solicit the favour of your submitting the same to H.H. the Dewan.

The Power of Attorney under which we are acting is enclosed together with an Assignment from ALFRED ANDREW LOCKWOOD, the Inventor, and we solicit the favour of your having same stamped Rs.1/- each.

A Post Office Order for Rs.12/- is sent today.

The corresponding Indian Application is No.580/11.

We have the honour to be,

Sir,

Your very obedient servants,

F.M.D.

REMFRY & SON

1,000.—17-3-11.

To BR V with postage stamps for annas eight only.

4 Defs

G.R.S. 26] 4/12

15/12/11

3

Gen File No. 180-11

Serial No, 2

Diary No. of letter replied to 2266

X

No. 93369 Enc 8 as in postage stamps

General and Revenue Secretariat

( )

, the 19 .

14.12.1911

Signed by Mr Ramanawamappa

To

Messrs Remfry & Son,

Solicitors & Patent Agents,

Hastings Street, Calcutta.

Gentlemen,

In acknowledging the receipt of the sum of Rs 12/- remitted with your letter of the 24th Nov. last, for filing a specification of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by the Turbo Amalgamator & Extraction Co Ltd, London,

over.

SUBJECT.

I am directed to state that the fee for the Deed of Assignment the consideration whereof is said to be ~~Stg~~ 5 Shillings is only annas 8. The excess of annas 8 remitted by you is accordingly refunded herewith in postage stamps

2. I am to enquire if applⁿ has been made in the United Kingdom ~~of Great Britain~~ or British India in respect of the same invention and if so, to request to be furnished with an authenticated copy of the Order passed thereon

I have &c,

1-12-11

For Offg Secretary

Chg 20-12-11.

15.41

List of enclosures,

Eight annas' worth of postage Stamps.

Copied by BF

Examined by

GPB—10,000—28-2-11.

Journey & cover in
14/12/11

2266/412

4 Rs

G.R.S. 29A]

19 .

5

From

The Offg Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Superintendent of Stamps,
Bangalore.

Dated

Despatched 14.12.1911

Received

General No. G 3370.
No. fin. 180 11-3

Enclosure No. 2 & Rs 1-80.

Has the honr to forward herewith the Deed of Assignment and the Power-of-Attorney received from messrs Remfry & Son, Solicitors & Patent Agents, Calcutta, in connection with an application for ~~for~~ leave to file a specification in respect of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by the Durbo Amalgamator and Extraction Co. Ltd, London, and to request that the Deed of Assignment and the Power-of-Attorney may be impressed with the Mysore Stamp of the values of Rs 0-8-0 & Re 1-0-0 respectively and returned to this Office. A sum of

GPB—20,000—24-10-10.

Copd

Rs 1-8-0 is forwarded herewith.

By order,

1.12.11

for Offg Secretary.

VS.41

Sl 99
30.11.11.

4 Pats

G.R.S. 29A]

19 . 7

2286/4/12

From

The Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To
The State Geologist
in Mysore.

Dated

Despatched 14. 12. 1911

Received

General No. G3371

No. Gen 180 11-4

Enclosure No. 1.

Has the honor to forward herewith for repat under cl(2) Sec 6 of the Mysore Inventions and Designs Regn. XI of 1894, an application received from Messrs Rempfs & Son, Calcutta, for leave to file a specification in support of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by the Turbo Amalgamator and Extraction Co. Ltd., London.

By order,

1.12.11

For Offg Secretary.

Ex 99
30 m.

V.S. 41

GPB—20,000—24-10-10.

C.P.P.

4 Dfts

G.R.S. 29A]

19 . 8

From

The Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Deputy Commissioner
Treasury Deptt,
Bangalore DO

Dated

Despatched 14.12.11

Received

General No. G 3372
No. Fin 180 11-5
Enclosure No. Rs 10/-.

Has the honr to forward herewith for credit in the Treasury a sum of Rs 10/- received from Messrs Rempfry & Son, Calcutta, being the fee application fee for leave to file a specification of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions by the Turbo Amalgamator and Extraction Co. Ltd, London, and to request the favor of an acknowledgment

By Order,

1.12.11

For Offg Secretary

15.41

GPB—20,000—21-10-10.

G.A. 16/12/11

No 83 Office of the Superintendent of Stamps in Mysore
Bangalore
Dated 15th December 1911

From

S. Shamanna Esqr B.A.
Superintendent of Stamps
in Mysore

To C.S. Balasundram Esqr B.A.
Offg. Secretary to the Government
of Mysore
General and Revenue Departments

DIARY No. 2510 G
1911-1912
SECTION Gen: Mis
FILE No. 180 of 1911-12
SERIAL No. 6

Sir,

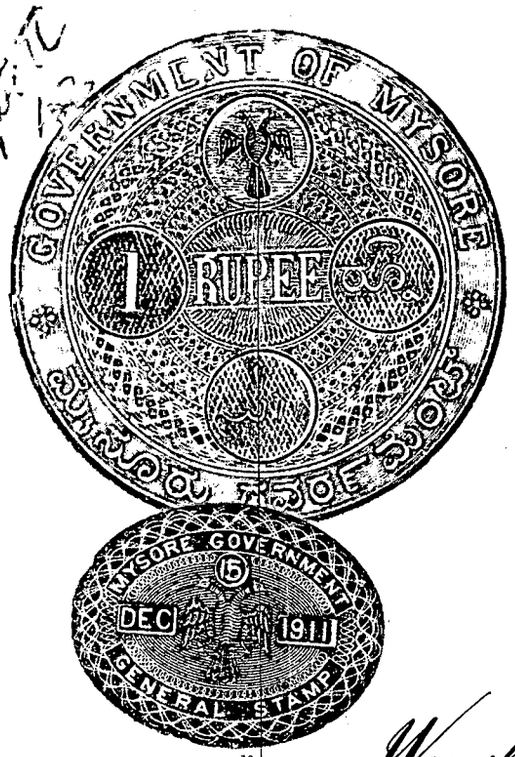
I have the honor to return herewith duly Stamped, the Deed of assignment and the Power of attorney received with your Docket No G. 3370/Gen 180-11-3 dated the 14th Instant, and to request the favor of an acknowledgment.

I have the honor to be
Sir,
Your most obedient Servant.

S Shamanna
Superintendent of Stamps
in Mysore.

a/cpr

D/Pr



Power of Attorney. 10

In the matter of the Inventions and Designs Regulation, 1911, of the Government of Mysore, and in the matter of "Turbo Amalgamator and Extraction Company, Limited," of 65 London Wall, in the City of London, England, Manufacturers, Assignees of Inventor.

We, the above named Turbo Amalgamator and Extraction Company, Limited, do hereby retain, constitute and appoint Rupert Remfry of Calcutta, British India, Solicitor & Patent Agent as our agent and attorney, to apply for and obtain from the Government of Mysore and keep in force an Exclusive Privilege or Letters Patent for "Improvements in apparatus for the extraction of the precious metals from pulps and solutions" and we authorise him to sign our name to such papers and writings and do such acts regarding the same, including the appointment of a substitute or substitutes, as may be necessary or expedient.

Dated this 13th day of October 1911.

X

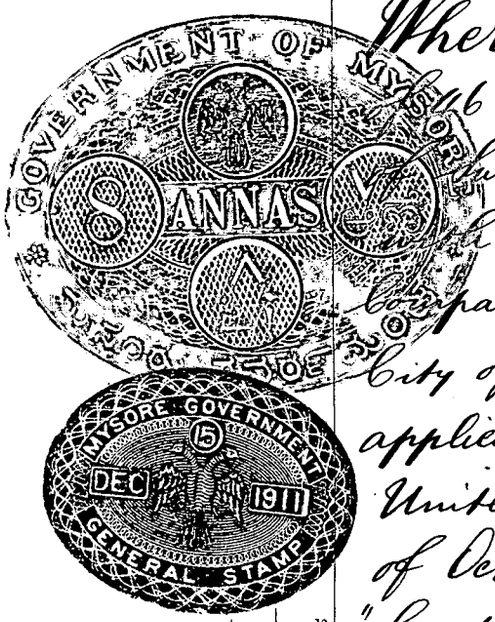
The Common Seal of Turbo Amalgamator and Extraction Company, Limited, was hereto affixed in the presence of

Seal.

Directors.

Secretaries.

Assignment.



Whereas I, Alfred Andrew Lockwood, 16 Marmora Road, Honor Oak, in the County of Surrey, England, Mining Engineer, jointly with Turbo Amalgamator and Extraction Company, Limited, of 65 London Wall, in the City of London, England, Manufacturers, have applied for a grant of Letters Patent in the United Kingdom No. 22627, dated the 13th day of October 1911, for "Improvements in apparatus "for the extraction of the precious metals from "pulps and solutions". And whereas the said Turbo Amalgamator and Extraction Company, Limited, are desirous of obtaining a Patent in Mysore for the said invention in their own name Now therefore, know ye, that for and in consideration of the sum of Five shillings to me in hand paid, the receipt of which is hereby acknowledged, I the said Alfred Andrew Lockwood have assigned and transferred and by these presents do assign and transfer unto the said Turbo Amalgamator and Extraction Company, Limited, their successors and assigns, all my right, title and interest in and to an Exclusive Privilege or Letters Patent to be obtained for the said invention from the Government of Mysore and all and singular the liberties powers privileges and advantages whatsoever

appertaining or belonging thereunto the same to be held and enjoyed by the said Turbo Amalgamator and Extraction Company Limited, their successors or assigns, for the full term for which such Exclusive Privilege or Letters Patent may be granted, or any prolongation or extension thereof, as fully and entirely as the same could have been held and enjoyed by me had this Assignment not been made.

In witness whereof I the said Alfred Andrew Lockwood have hereunto set my hand and seal this 13th day of October 1911.

X

Signed Sealed and Delivered at London, England, in the presence of:

Alfred Andrew Lockwood

Marmaduke Lamming
37 Fenchurch St.
Merchant.

Henry Levy.
286 New North Road
Islington N.
Clerk.

G.R.S. 29A]

19 . 13

From

The Asst Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Superintendent
of Stamps.

Dated

Despatched 23rd December 1914

Received

General No. G 3576
No. G. M 180 11-7

Enclosure No.

Has the honor to acknowledge the receipt of the ~~duly stamped~~ Deed of Assignment and the Power-of-Attorney duly Stamped & forwarded with his letter No. 83, dated the 15th Dec. 1914.

By order,

18/12/14
for Offg Secretary

VS. 41

GPB—20,000—24-10-10.

14

DIARY No. 2586 C

Rs 10-0-0 Book No. 1014 A/c 3-911-1912

Bangalore Central Treasury dated 15th December 1911. Genl.

Received from Secretary Govt. & Rev. Department

Rupees Ten only

Annas — and Pies — being on account of

application fee for an invention for "Improvements in apparatus for the extraction of the precious metals from pulps & solutions." Docket No. G 3372 of 14-12-11.

Genl 180-11-5

In charge of Treasury.
Bangalore Dt.

M.G.D. 13]

MYSORE GEOLOGICAL DEPARTMENT.

Dated Bangalore. 22nd January *191* 2.

DIARY No. 3089

1911 -1912
SECTION for : rec
FILE No. 180 of 1911-12
SERIAL No. 9

No. 1259

Encl. one file

From H. Kelsall Slater, Esq, F.G.S., In charge

~~E. W. WETHERELL, Esq., A.R.C.S., F.R.P.S.L., F.G.S.~~

~~*Offg.*~~ *State Geologist in Mysore.*

To

C.S. Balasundaram Iyer, Esquire, B.A.,

Offg.Secretary to the Government of His Highness

the Maharaja of Mysore,Gen.& Rev. Depts.

SIR,

With reference to your docket No.G.3371/G.M.180-11-4, dated 14th December 1911, I have the honour to forward herewith a copy of letter No.426, dated 18th January 1912, from the Offg.Chief Inspector of Mines in Mysore, reporting on the application forwarded with your above letter,from Messrs.Remfry & Son, Calcutta, for leave to file a specification of an invention for "Improvements in apparatus for the extraction of the precious metals from pulps and solutions" by the Turbo Amalgamator and Extraction Co.,Ld., London.

2. The papers received with your abovementioned letter are returned herewith.

I have the honour to be,

Sir,

Your most obedient servant,

H. Kelsall Slater

State Geologist in Mysore.

(In charge).

C.N.

GPB—400—17-8 11

16

Letter No.426, dated 18th January 1912, from R.Bocquet Esquire, Offg.Chief Inspector of Mines in Mysore, to H. Kelsall Slater, Esquire, F.G.S., State Geologist in Mysore. (In cnarge).

In returning herewith an application received from Messrs. Remfry & Son, Calcutta, for leave to file specification of an invention for "Improvements in apparatus for the extraction of the precious metals from pulps and solutions" by tne Turbo Amalgamator and Extraction Company,Ld., London, sent with your No.1091, dated 20th December 1911, I have the honour to state that few novel features appear to be either presented or described in the above specification (Vide Gold Milling by C.G.Warnford Lock pp.631-9),and that it would be advisable to await the result of the application for a patent made in the United Kingdom in respect of this invention.

Copy.

H. Kelsall Slater

State Geologist in Mysore.

(In charge).

20.1.12

GY No. 70

1914-1915
SECTION Gen : Mis
FILE No. 180 of 1911
SERIAL No. 10

Gen 180-11

17

To

THE ~~CONTROLLER OF PATENTS,~~ SECY TO THE GOVT OF MYSORE,
~~PATENT OFFICE,~~ GENL. & REV. DEPTS,
~~CALCUTTA.~~ BANGALORE,
MYSORE.

FROM

REMFRY & SON,
SOLICITORS AND PATENT AGENTS,
CALCUTTA.

Dated CALCUTTA, the 26th June 1914.

DEPT.	P.	FILE LR.	M.
FILE INDICATION			
Mysore Pats.			

SIR,

re TURBO AMALGAMATOR & EXTRACTION CO.LD. (MYSORE)

No. 580/11 *dated* 25/5/12.

With reference to the above Application and referring to your letter No. G.3369 / G.M.180-11-2 dated 14th December 1911 we beg to forward herewith an Authenticated Copy of the Order and Specification of the corresponding Indian Exclusive Privilege Register No. 580/11 (dated 28th May 1912).

We regret that so much delay has occurred and solicit the favour of your passing orders allowing the Specifications to be filed.

We have the honour to be,

Sir,

Your very obedient servants,

REMFRY & SON

Gen

A.M.

P/O (Genl.) 1,000—4-2-14. [1,000—17-3-11]

1/2

G. R. S. 26] 8/10

Gen File No. 180-11
Serial No. 13.

X LS

Diary No. of letter replied to 70

No. G 3588 / 2nd.

General and Revenue Secretariat
( )
, the 191 .

To The State Geologist in Mysore

Sir,

Date of issue 19. 10. 16

Signed by for H. A. R. Rao

With reference to your letter No. 1259 dated 22nd Jan. 1912, forwarding copy of letter No. 426 dated the 18th idem from the Offg Chief Inspector of Mines in Mysore, reporting in the matter of an invention for "improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by the Turbo Amalgamator and Extraction Co. Ltd. London, I am directed to forward herewith an

over.

SUBJECT.

9/10

Authenticated copy of the order and specification of the corresponding Indian Exclusive Privilege Register No. 580/11 & 29th May 1912, received from Messrs Remfry & Son, Calcutta, and to request to be informed whether, under the circs, the leave applied for for filing the specn of the invention in question may be granted.

I have &c,

Asst

8/10.

for Offg Secretary

In.

List of enclosures

Copied by

Examined by

GPB—25,000—4-3-13

DIARY No. 3170

1914-1915
SECTION Gen: Mis
FILE No. 180-11
SERIAL No. 12

GPB—1,000—13-2-14

M.G.D. 13]

MYSORE GEOLOGICAL DEPARTMENT.

DATED BANGALORE, 15th October 1914.

No. 703.

FROM

DR. W. F. SMEETH, M.A., D.SC., A.R.S.M., etc.,
State Geologist in Mysore.

To

D. M. Narasinga Rao, Esq., B.A., B.L.,
Offg. Secretary to Government, General & Revenue Depts.
Bangalore.

SIR,

With reference to your letter No. G.3588/G,M.180-11-10 dated 12th October 1914, I have the honour to request that the application and specification of the Turbo Amalgamator Company's invention may be kindly forwarded to me for reference.

I have the honour to be,
Sir,
Your most obedient servant,

W F Smeeth

State Geologist in Mysore.

G. R. S. 26] 23/10

21

Gen. File No. 180-11

Serial No. 13-

Diary No. of letter replied to 3170

No. G 4320

General and Revenue Secretariat

( )

, the 191 .

Date of issue 2. 11. 14

Signed by Mr Ms R. Rao.

To The State Geologist in Mysore

Sir,

As desired in your letter No. 703, dated the 15th October 1914, I am directed to forward herewith the Ivrbo Amalgamator Co's application and specification in respect of their invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions".

I have &c,

Asst

23.10

for the Secretary

Vide over.

SUBJECT.

M.G.D. 13]

GPB—1,000—13-2-14

MYSORE GEOLOGICAL DEPARTMENT.

DATED BANGALORE, 12th November 1914.

DIARY No. 3960

1914-1915
SECTION Geological
FILE No. 180-11
No. 44

No. 866
Encl. 1 file.

FROM

DR. W. F. SMEETH, M.A., D.SC., A.R.S.M., etc.,
State Geologist in Mysore.

To

D.M. Narasinga Rao, Esquire, B.A.,B.L.,
Offg. Secretary to the Government of His Highness
the Maharaja of Mysore, Gen.& Rev. Depts.

SIR,

In reply to your No.G.3588/G.M.180-11-10, dated 12th October 1914, I have the honour to state that I see no reason to refuse the leave applied for. The objection taken by Mr. Bocquet in his letter No.426, dated 18th January 1912, forwarded to you with this office letter No.1259, dated 22nd January 1912, is not, in my opinion, valid as the apparatus referred to in the present application is quite distinct in form and action from those previously described.

2. The application and specification received with your letter No.G.4320/G.M.180-11-13, dated 2nd November 1914, are herewith returned.

I have the honour to be,
Sir,
Your most obedient servant,

State Geologist in Mysore.

C.N.

List No. 58

Rep'd 30 Dec 94

To the Dewan of Mysore.

The Application of Turbo Amalgamator and Extraction Company, Limited, of 65 London Wall, in the City of London, England, Manufacturers, for leave to file a specification under Part I of the Mysore Inventions and Designs Regulation 1894.

The Applicants are in possession of an invention for "Improvements in apparatus for the extraction "of the precious metals from pulps and solutions", they are the Assignees of Alfred Andrew Lockwood, of 46 Marmora Road, Honor Oak, in the County of Surrey, England, Mining Engineer, the inventor thereof; and, to the best of their information and belief, the invention is new within the meaning of Part I of the Mysore Inventions and Designs Regulation 1894, and no circumstance exists which, if the Applicants are authorised to file a specification, and file it in accordance with that Part, will disentitle them to an Exclusive Privilege thereunder in respect of the invention.

The Applicants, jointly with the said Alfred Andrew Lockwood, have applied for a Patent in the United Kingdom in respect of the invention, with Complete Specification No. 22627, dated the 13th day of October 1911, see Illustrated Official Journal (Patents) No. 1187, page 1445.

The following is a description of the invention:—

2.

SOLICITORS & PATENT AGENTS
KEMPRY & SON.

1.

The object of this invention is to provide improved apparatus for use in the extraction of the precious metals from pulps and solutions.

According to our invention we circulate the pulp or solution through an amalgamating vessel in which are revolving copper plates. The circulation may be effected by a centrifugal pump or other suitable machine or by an air blast or by both combined. The surfaces of the copper plates pass through or are inclined at a small angle to the axis about which they revolve and preferably reach right across the vessel so that they keep the pulp in motion and lift the mercury which flows over them; by this means the mercury drops through the pulp and the surfaces of the plates are constantly kept in a state of efficiency. The plates may be carried by the vessel itself which in such case will be rotated or by a shaft or shafts passing through the vessel which may then remain stationary.

If an air blast be employed the air is preferably introduced into a pipe leading from the amalgamating vessel and rising up above the level of the pulp in the vessel so that the pulp is raised by the air blast and can then flow down again into the vessel and thus a continuous circulation is kept up.

In order that a large charge may be treated a tank or reservoir may be

included in series with a circulator and an amalgamator provided with copper amalgamating surfaces with which the mercury is constantly brought into contact and which are preferably of the type already described.

Some solvent such as potassium cyanide may be added to the pulp and means provided for precipitating the dissolved metal in the amalgamating vessel. For this purpose electrolysis may be employed in which case an electrolyte, such as common salt for instance, may be used if necessary; or chemical precipitants such as pieces of unamalgamated zinc or aluminium may be employed or both may be used together.

An electric current may be employed whether a solvent be added to the pulp or not.

The accompanying drawing shows by way of example an apparatus made in accordance with our invention

a is an amalgamating vessel having copper plates b projecting from its inner wall and provided with a pulley c by which it may be rotated. The vessel has hollow trunnions d which form an inlet and outlet and by which it is suitably supported in bearings At one end or other of the vessel is a pump e and in series with the vessel and pump is a tank or reservoir f into which the pulp

passing from the amalgamator is returned and from which pulp is fed to the amalgamator The trunnions are united by flexible connections g to pipes h which can rotate in stuffing boxes i from which lead the fixed pipes k. Into the pipe k on the outlet side a blast of air can be introduced at l and an air vent m may also be provided. The pipe k opens into the top of the tank f from which an inlet pipe k leads again to the amalgamating vessel; pipes n may be provided through which air can be introduced to aerate and agitate the contents of the tank or mechanical stirrers may be used

A bye pass o is provided for use when the pump is not working.

When electrolysis is employed the current may be led in at any convenient points p as shown, in which case the apparatus is insulated wherever necessary.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed we declare that what we claim is:-

1. In apparatus for the extraction of the precious metals from a pulp or solution, the combination of a vessel, revolving copper plates therein the surfaces of which pass through, or are inclined at a small angle to, the

/4.

axis about which they revolve, and means for circulating the pulp or solution through the vessel substantially as described.

2. In apparatus for use in the extraction of the precious metals from a pulp or solution, the combination of a vessel, revolving copper plates therein, the surfaces of which pass through or are inclined at a small angle to the axis about which they revolve, a reservoir, and means for causing the pulp or solution to circulate from the reservoir through the vessel and back to the reservoir, substantially as described.

3. In apparatus for use in the extraction of the precious metals from a pulp or solution the combination of a vessel containing copper amalgamating surfaces with which the mercury is constantly brought into contact, a reservoir, and means for causing the pulp or solution to circulate from the reservoir through the vessel and back to the reservoir, substantially as described.

3. The Applicants, therefore, apply for leave to file a Specification of the invention pursuant to Part I of the Mysore Inventions and Designs Regulation 1894.

The Common Seal of Turbo Amalgamator and Extraction Company, Limited, was hereto affixed in the presence of

Marcus Reginald Anthony Samuel
Arthur Lockwood
} Directors.

Myers, Davies & Co. Secretaries.

Seal

I, Marcus Reginald Anthony Samuel, Director of Turbo Amalgamator and Extraction Company, Limited, the Applicants above named, do declare that the facts stated in this Application are true to my knowledge except as to matters stated on information and belief, and as to those matters I believe them to be true.

Dated this 13th day of October 1911.

Marcus Reginald Samuel

GOVERNMENT OF MYSORE

General Department.

Register No. 3 **of 190**1-12

No. G.S.775 / Cn. 180-11-14/15 *Bangalore, the* 4th Dec *1904.*

WHEREAS an application, dated the 13th October 1911 and received on the 29th November 1911 has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by Turbo Amalgamator and Extraction Company Limited of 65, London Wall, in the City of ~~Engla~~ London, England, manufacturers

(hereinafter referred to as "the applicant") for leave to file a specification of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions"

And whereas the applicant has duly complied with all the requirements of Section 5 of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

30/11

for Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the Fourteenth day of December 1904.

for Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

(Section 8 of the Inventions and Designs Regulation, 1894.)

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege.

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely :—

(*a*) the time for making a payment shall not in any case be enlarged for more than three months ; and

(*b*) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

GPB—500—7-4-09.

2½

2 Dels

G. R. S. 26]

32 Gen File No. 180-11

Serial No. 16

Diary No. of letter replied to 3960

No. G. 5776

General and Revenue Secretariat

( )

, the 11 .

To

Messrs Rempry & Son,

Solicitors & Patent Agents, Calcutta.

Date of issue 6. 12. 14

Signed by for Mr. S. R. Rau.

Gentlemen,

With reference to your the corr.ce endings
letter dated the 26th June 1914, I am
directed to forward herewith G.O.
No. G. 5775 dated the 4th December November 1914,
in 180-11-
authorising Turbo Amalgamator
and Extraction Company Ltd of London,
to file a specification of their invention
for "Improvements in Apparatus for
the extraction of the precious metals
from pulps and solutions" and to

over.

SUBJECT.

3

request that the fact may be com-

municated to the party concerned,

I have &c,

Mar 30/11

For the Secretary.

List of enclosures.

Copied by

Examined by

GPB—25,000—4-3-13

REGISTERED.

To

THE ~~CONTROLLER OF PATENTS~~, SECY TO THE GOVT OF MYSORE,
~~PATENT OFFICE~~, GENL. & REV. DEPTS.,
~~CALCUTTA~~. BANGALORE,
MYSORE.

FROM

REMFRY & SON,
SOLICITORS AND PATENT AGENTS,
CALCUTTA.

DIARY No. 4865

1914-1915
ACTION
DEPT. P. No. 180-M. FILE LR.
FILE INDICATION 17
Mysore Pats.

Dated CALCUTTA, the 11th December 1914.

SIR,

re TURBO AMALGAMATOR & EXTRACTION CO.LD. (MYSORE)

No. 3/ *dated* - -

Pursuant to the Order granting leave in this matter dated 4th December 1914, Register No. 3 of - - , we have the honour to forward herewith 4 copies of the Specification of TURBO AMALGAMATOR AND EXTRACTION COMPANY LIMITED, of 65, London Wall, in the City of London, England, Manufacturers, in respect of their Invention for "IMPROVEMENTS IN APPARATUS FOR THE EXTRAC-"TION OF THE PRECIOUS METALS FROM PULPS AND SOLUTIONS".

The abovementioned Order is enclosed and we solicit the favour of your filling in the Certificate at foot thereof and having same signed.

A Post Office Order for Rs. 30/- is sent to-day.

We have the honour to name our office in Calcutta as the Address for Service under the Act.

We have the honour to be,

Sir,

Your very obedient servants,

REMFRY & SON

Enclos.
4 Specns.
Order.

I.M.B.

P/O (Genl.) 1,000—4-2-14. [1,000—17-3-11]

4 Dfts. 2 Copies

35

MYSORE GOVT, GEN. & REV. SECRETARIAT,

No. G 8019
for 180-11-7/18

Dated Bangalore, 29th Jan 1905.

NOTIFICATION.

(PATENT.)

The following specification of an invention has been filed in accordance with Sections 8, 9, 10 and 11 of Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Departments, and on payment of a fee of one Rupee.

By Forbo Amalgamator and Extraction Company Limited of 65, London Wall, in the City of London, England, Manufacturers.

"Improvements in Apparatus for the extraction of the precious metals from pulps and Solutions."

By Order,

Sd/- [illegible]

for H.H. Secretary.

To

The Compiler, *Mysore Gazette*, for publication.

4 Aff.

36

No. 9,8020
Gen 180-11-819

Enc: Two.

MYSORE GOVT. GEN. & REV. SECRETARIAT,

Dated Bangalore, 29th Jan 1915.

From

The Secretary to the Government of H. H. the Maharaja of Mysore,
General and Revenue Departments.

To

Messrs Rempley & Son,
Solicitors & Patent Agents,
Calcutta

~~Sir,~~ Gentlemen

With reference to your letter dated the 11th Dec 1914, I am directed to forward copy of a Notification No. G 8019/Gen/180-14-13 dated January 1915 issued by this Government in regard to the invention filed by you under Regulation XI of 1894 (The Inventions and Designs Regulations.) and to request that the fact may be communicated to the parties concerned.

The order granting permission to file specification is herewith returned, with the certificate at foot, duly filled in and signed.

I have the honor to be,
~~Sir,~~ Gentlemen
Your most obedient servant,

Off)

For Off Secretary.

G.R.S. 29A]

19 . 37

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Deputy Commissioner,
Treasury Deptt, Bangalore.

Dated
Despatched } 29. 1. 15

Received

General No. G 8021
No. fr. 180-11-20
Enclosure No. Rs 30/-

Has the honor to forward herewith a sum of Rs 30/- (Thirty only) received from messrs Rowfs & Son, Calcutta, being the fee payable under Schedule IV Cl 2 of the Mysore Inventions and Designs Regulation XI of 1894 for filing a Specification of an invention for "improvements in Apparatus for the extraction of Precious Metals from pulps and solutions" by Turbo Amalgamator and Extraction Company Ltd of London, England, and to request the favor of an acknowledgment.

By Order,
Asst
26/1
for the Secretary

GPB—20,000—24-10-10.

4 Dfts

G.R.S. 29A]

19 . 38

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To
(1) The State Geologist in Mysore
(2) The Supdt, Govt Museum.
(3) The Chief Engineer

Dated
Despatched | 29.1.15

Received

General No. C 8022-4
No. Ju 180-11-4
Enclosure No: one each

Has the honor to forward herewith for record in his Office copy of a specification of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by Forbes Amalgamator and Extraction Company Ltd of London, and to request the favor of an acknowledgment

By Order,

[illegible]
26/1

For the Secretary

[illegible]

DIARY No. 6473

Gen 7 180-11-22

SECTION

FILE No.
Book No. 1057
SERIAL No.

Treasury dated 3 February 1915

Rs 38/- V
Receipt No: 205

No 73

Received from The officiating Secretary to the Government of His Highness the Maharaja of Mysore.

Rupees Thirty only

Annas _____ and Pies _____ being on account of

the amount received from Messrs: Remfry Hoy Calcutta payable for the extraction of Precious Metals from Pulps & Solutions (Vide docket No: 8021) of 29-V-15

In charge of Treasury.
Bangalore District Treasury

Noted and rec'd 6 Oct 15

4/7/15

V-3/2
180/

M.G.D. 13]

GPB—1,000—13-2-14

GD

MYSORE GEOLOGICAL DEPARTMENT.

DATED BANGALORE, 2nd February 1915

No. 1472.

DIARY No. 6486

19 FEB 1915
SECTION
FILE No. 180 of 11-12
SERIAL No. 23

FROM

DR. W. F. SMEETH, M.A., D.SC., A.R.S.M., etc.,
State Geologist in Mysore.

To

D.M. Narasinga Rao, Esquire, B.A.,B.L.,
Offg. Secretary to the Government of His Highness
the Maharaja of Mysore, Gen. & Rev. Depts.

SIR,

I have the honour to acknowledge the receipt of a copy of a specification of an invention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by Turbo Amalgamator and Extraction Company of London, forwarded with your docket No.G.8022-4/G.M.180-11-21, dated 29th January 1915 for record in this office.

I have the honour to be,
Sir,
Your most obedient servant,

Registrar
State Geologist in Mysore.

C.N.

41

Mysore Government Museum.

No.123. Bangalore. Dated 8th February 1915.

From

G.H.Krumbiegel Esquire., F.R.H.S.,
Superintendent, Government Museum
Bangalore.

DIARY No. 6758

(illegible)
(illegible) Central
(illegible) No. 180 of 11-12
(illegible) No. 24

To

The Secretary to the Government of
H.H. the Maharaja of Mysore,
General and Revenue Departments.
Bangalore.

Sir,

I have the honor to acknowledge receipt of a copy of a specification of an envention for "Improvements in Apparatus for the extraction of the precious metals from pulps and solutions" by Turbo Amalgamator and Extraction Company of London, forwarded with your docket No. G.8022-4/G.M.180-11-21, dated 29th. January 1915.

I have the honor to be,
Sir,
Your most obedient servant,

Superintendent.

1915

From

G. H. KRUMBIEGEL, Esq., F.R.H.S.,
Economic Botanist,
Supt., Mysore Govt. Museum,
Bangalore.

To

The Secretary to the Govt.
of H.H. the Maharaja of Mysore
Genl. and Rev. Depts.
Bangalore

Dated 8/14 February 1915.

Despatched

Received

General No. 123

No.

Enclosure No. "

Acknowledging receipt
of copy of a specification
of an invention for —
"Improvements in apparatus
for extraction of the —
precious metals from
pulps and solutions".
by Zadra Amalgamator
and Extraction Company
of London. — .

GPB—600—19-3-13

TELEGRAPHIC ADDRESS: *Statewoks.*

No. 15/18.

MYSORE P. W. DEPARTMENT.

CENTRAL OFFICE,

Bangalore, 13th February 1915.

From

KARPUR SHRINIVASRAO, ESQ., B.Sc., L.C.E.,

Chief Engineer of Mysore,

Bangalore.

DIARY No. 7074...

Jud 7 180-11-25

To

D.M.Narasinga Rao, Esq: B.A., B.L.,

Offg: Secretary to the Government of Mysore,

General and Revenue Departments, Bangalore.

Sir,

I have the honour to acknowledge the receipt of a copy of specification of an invention for "Improvements in apparatus for the extraction of the precious metals from pulps and solutions," filed by Turbo Amalgamator and Extraction Company of London, forwarded with your No.G.8022-4/G.M.180-11-21 dated the 29th January 1915.

I have the honour to be,

Sir,

Your most obedient servant,

For Chief Engineer of Mysore.

V.S.P.

GTB—3 000—16-1-15

191

MYSORE P. W. DEPARTMENT.

No. 1513

From

THE CHIEF ENGINEER OF MYSORE,

Bangalore.

To The General and Revenue Secretary :-

Dated Bangalore 13.2.15

Despatched 15.2.15

Enclosure No. Nil.

SUBJECT.

Acknowledging the receipt of a copy of Specification of an invention of apparatus for extracting precious metals from pulps. Etc.,